



TYANPSC™

Hands On Supercomputing



TYANPSC™

Personal Supercomputer

TyanPSC T-600 Series

Low Power / Small Form Factor / Quiet

Purpose-built for office and laboratory environments, easy to deploy and use, the TyanPSC provides intense computational power in remote or constrained places.

▶ T-630 DX / T-650 QX Series

Personal Supercomputer

Five-node cluster with dual-core or quad-core Intel® Xeon™ LV processors

- Turnkey, Easy-to-Deploy and Easy-to-Use
- Integrated 5-node cluster - 20 / 40 processor cores in a box!
- Plugs into standard wall outlet - only 15 Amps
- Microsoft® Windows® Compute Cluster Server 2003 pre-installed and Linux ready
- High Performance in constrained spaces: Office, Remote Site, Ship or Airplane
- RAID Capable on head node

▶ T-633 DX / T-653 QX Series

Personal Supercomputer

Three-node cluster with dual-core or quad-core Intel® Xeon™ processors

- Turnkey, Easy-to-Deploy and Easy-to-Use
- Integrated 3-node cluster - 12 / 24 processor cores in a box!
- Plugs into standard wall outlet - only 15 Amps
- Microsoft® Windows® Compute Cluster Server 2003 pre-installed and Linux ready
- High Performance in constrained spaces: Office, Remote Site, Ship or Airplane
- RAID Capable on head node

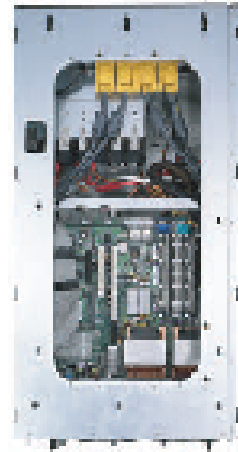
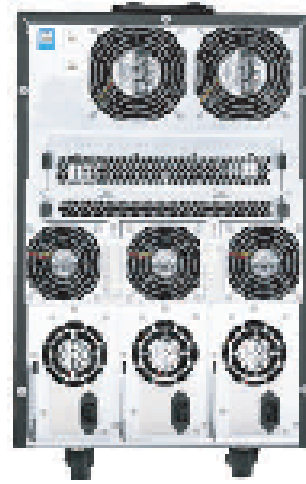
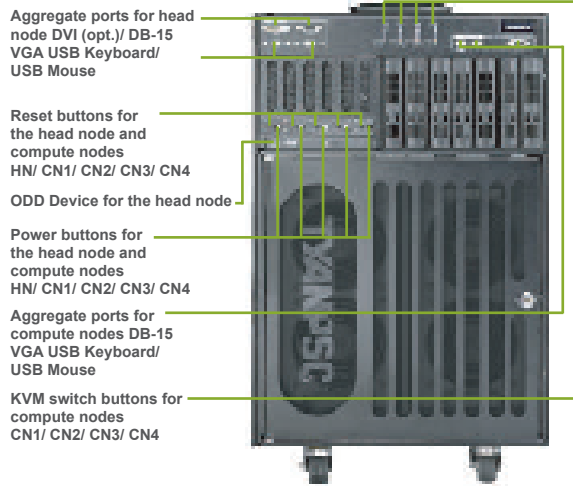


Microsoft
Windows
Compute Cluster Server 2003

(Specifications are subject to change without notice.)

www.tyanpsc.com

High Performance Personal Supercomputer



Model Number	T-630 DX Series	T-633 DX Series	T-650 QX Series	T-653 QX Series
Nodes / Processors	One (1) Head Node Four (4) Compute Nodes Supports ten (10) Intel® Xeon™ LV5100 dual core processors	One (1) Head Node Two (2) Compute Nodes Supports six (6) Intel® Xeon™ 5100 dual core processors	One (1) Head Node Four (4) Compute Nodes Supports ten (10) Intel® Xeon™ L5300 quad core processors	One (1) Head Node Two (2) Compute Nodes Supports six (6) Intel® Xeon™ E5300 quad core processors
Memory	Up to 12GB FBD with DDRII 533/667 per node			
	Up to 60GB per system	Up to 36GB per system	Up to 60GB per system	Up to 36GB per system
Head Node Graphics	Integrated VGA			
Interconnect Fabric	<ul style="list-style-type: none"> • Dual Gigabit Ethernet default configuration, or • One Gigabit Ethernet and 4X InfiniBand 			
Internal Storage	Seven (7) SATA II HDDs for internal storage. Up to (3) SATA II HDDs on the Head Node.			
	One (1) HDD per compute node	Up to two (2) per compute node	One (1) HDD per compute node	Up to two(2) per compute node
General Features	<ul style="list-style-type: none"> • Integrated DVD device • Integrated KVM and GbE switch for all nodes • Supports InfiniBand controller 4x HCA (Opt.) • Integrated InfiniBand switch (opt.) for all nodes • Front I/O: <ul style="list-style-type: none"> - Head Node: VGA port, USB ports - Compute Node: VGA port, Keyboard and Mouse • Rear I/O: <ul style="list-style-type: none"> - Two (2) RJ-45 GbE ports (white coupler) - One (1) RJ-45 FE port (blue coupler) 			
Power Cord	<ul style="list-style-type: none"> • Three (3) 600W Single PSUs • One (1) dedicated for the Head Node 			
Whisper Quiet	<ul style="list-style-type: none"> • <52 dB, whisper quiet 			
Operating System	<ul style="list-style-type: none"> • Windows® Compute Cluster Server 2003 • Linux Operating System 			
Cluster Behavior	<ul style="list-style-type: none"> • Single system rapid boot sequence • Makes standard cluster into stand alone supercomputer 			
Application Support	<ul style="list-style-type: none"> • Certified ISV applications - See growing list on TyanPSC website www.tyanpsc.com 			
Dimensions	<ul style="list-style-type: none"> • 527mm x 356mm x 700mm (20.75" x 14.01" x 27.56"), H x W x D 			
Weight	<ul style="list-style-type: none"> • 175 Lbs 			